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Planning

Department for Transport National Transport Model v. 5 2024 Rebase

Department for Transport

F01: Prior information notice

Prior information only

Notice identifier: 2024/S 000-009464

Procurement identifier (OCID): ocds-h6vhtk-044bfb

Published 22 March 2024, 3:56pm

Section I: Contracting authority

I.1) Name and addresses

Department for Transport

London

Email

charles.jansen@dft.gov.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

<https://www.gov.uk/government/organisations/department-for-transport>

I.3) Communication

Additional information can be obtained from the above-mentioned address

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

<https://dft.app.jaggaer.com/>

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

General public services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Department for Transport National Transport Model v. 5 2024 Rebase

II.1.2) Main CPV code

- 73110000 - Research services

II.1.3) Type of contract

Services

II.1.4) Short description

The National Transport Model version 5 (NTMv5) is a large transport model, developed using classic transport modelling principles but with a number of adaptations to enable it to be sufficiently informative with shorter run times. Some parts of the model use a “masking” system with a representative subset of zone-to-zone movements, to reduce computation times. The Department for Transport is considering a `rebase' of the system.

There are three important elements to this work. First, and most important, the requirement is to update the highway assignment component of NTMv5 to reflect the situation post-covid19. This is needed for strategic forecasting purposes. In practice, this means using data from 2022 and 2023, a shorter period than the original data used to estimate NTMv5. The challenge with this work will be to exercise judgement about where compromises are needed to meet the tight timescales for this project, whilst still providing sufficient quality for strategic forecasting. This work may also provide some opportunity (albeit within limited timescales) for an innovative approach to meet this challenge.

Secondly, we intend to switch from using National Highways traffic counts to the Department's data (potentially including traffic by region and road type as well as counts) for this update. This is because for strategic forecasting purposes, the Department requires the modelled traffic to match its own understanding of traffic in the model base year.

Finally, the Department would like to have the capability to carry out similar updates in-house in future. Therefore, we would anticipate allowing some time after the model updates are complete for documentation, handover, and potentially training to the Department in the methods used for this update.

This Prior Information Notice aims to gather information from potential bidders about their capability and capacity to provide these services - via an expression of interest.

To respond, please first register an account on the Department for Transport's e-sourcing platform, Jaggaer (<https://dft.app.jaggaer.com/>).

Once you have registered an account, please access and respond to the Jaggaer PQQ event for this EoI (pqq_431, available at: <https://dft.app.jaggaer.com/go/10612947018E65985C93>).

Communications about this procurement should be routed by the message function under the PQQ event.

The deadline for responses to the EoI is 11:00, 15 April 2024. Further competition will not be restricted to respondents to this EoI.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 72300000 - Data services
- 79315000 - Social research services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

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The deadline for responses to the EoI is 17:00, 17 April 2024. Further competition will not be restricted to respondents to this EoI.

II.3) Estimated date of publication of contract notice

3 May 2024

Section IV. Procedure

IV.1) Description

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: Yes

Section VI. Complementary information

VI.3) Additional information

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